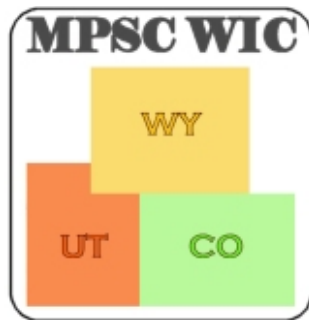

**Mountain Plains States Consortium
WIC System Project**

DETAILED FUNCTIONAL DESIGN DOCUMENT

FINANCE BATCH PROCESSES

Presented to:



Revision Date: January 7, 2011

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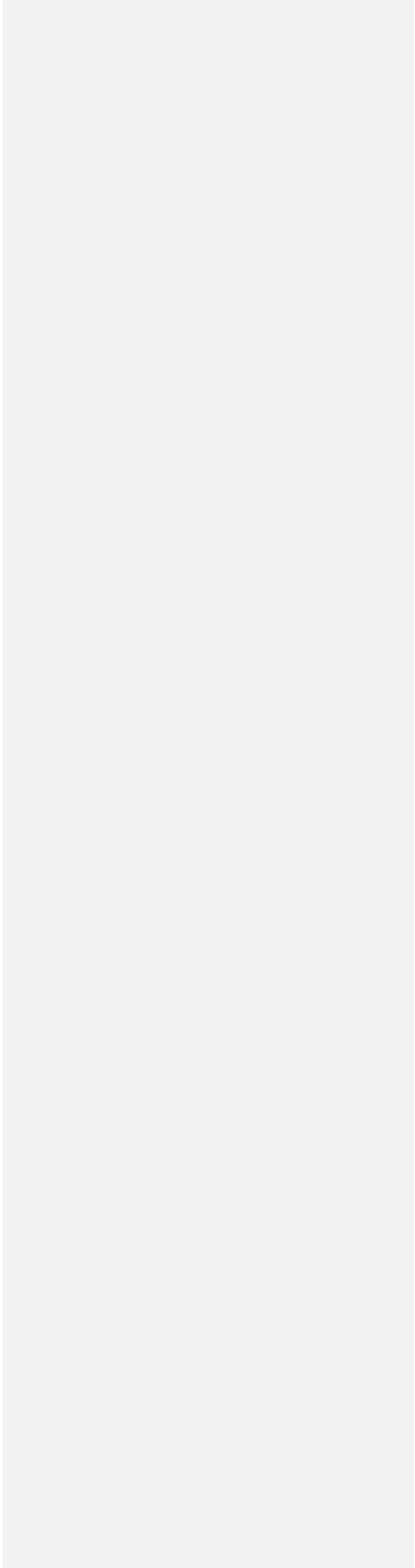
Document Revisions

Revision Date	Updated By	Requested By	Description of Revision

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1 Monthly Participant Counts

1.1 Summary

This batch process will calculate the participant and enrollment counts for a previous month that will be used to support various screens (i.e. 798 and caseload management), outputs and reports.

1.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Previous Month
Inputs	Clinic and Issuance Data
Outputs	ParticipationCount table EnrollmentCount table
Prerequisites	All clinics have synchronized at least once after completion of the prior month.

Affect on Other Processes	<p>ParticipantCount table supports:</p> <p>798 Spreadsheet – System Data</p> <p style="padding-left: 40px;">Modeling and Actuals – State (Aggregation of totals of Women, Infants and Children)</p> <p style="padding-left: 40px;">798 Page 1 – State (Individual totals of Women Pregnant, Women Breastfeeding, Women Postpartum, Infants and Children)</p> <p style="padding-left: 40px;">798 Page 2 – State (Individual totals of Migrants)</p> <p>Rebate Invoice – State (Individual totals of Infants Breastfed, Infants Supplemented with Formula and Infants Formula Fed)</p> <p>Caseload – Local Agency (Aggregation totals of Women, Infants and Children)</p> <p>Participant with Benefits Report and Participant with Benefits by Priority Report – Clinic (Individual totals by priority of Women Pregnant, Women Breastfeeding, Women Postpartum, Infants Excl Breastfeeding, Infants Excl Breastfeeding/Comp , Infants Excl Not Excl Breastfeeding and Infants Formula, Child Non-Special and Child Special)</p> <p>Clinic Profile Report (High Risk / Low Risk)</p> <p>EnrollmentCount table supports:</p> <p>Enrollment Report and Enrollment by Priority Report – Clinic (Individual totals by Priority of Women Pregnant, Women Breastfeeding, Women Postpartum, Infants Excl Breastfeeding, Infants Excl Breastfeeding/Comp , Infants Excl Not Excl Breastfeeding and Infants Formula, Child Non-Special and Child Special)</p>
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1.3 Processing Logic Details

This batch job should be scheduled monthly to capture the previous month's participation counts. A set day of the month should be established by a state so that users of the data know when to expect the data to be available. Allow time for any data correction or delayed processing updates (i.e. disconnected clinics).

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table with the needed month. The table to be populated is called ManualJobRun. Edit the FirstRunDt column where the Job name is "Monthly Participation Counts."

The first time this process is executed, the respective database columns for the month are created and populated. Each subsequent time this process is executed, the respective database columns for the month are overlaid.

The following categories need calculated based on whether they have received benefits during the month (from 1st at midnight until last day of month at midnight). For FI states, this is based on the system parameter System.FoodBenefitDeliveryMethod set to "FI". For EBT states, this is based on the system parameter System.FoodBenefitDeliveryMethod set to "EBT".

Investigative families are always excluded in the counts.

In order to ensure participants only are counted in one category, when a decision is based on a participant's attributes (i.e. categories, breastfeeding description), the attribute will be examined as to what its value was on their last active day of the month.

The priority level will be determined by the lowest level priority found for the participant.

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

ParticipationCount table:

This table will exclude investigation family related data.

At the Clinic level by Priority and Risk (High or not):

Women – Total is aggregation of:

Women Pregnant – this is any participant of the category Pregnant who received food benefits during the month.

Women Fully Breastfeeding – This is any participant of the category Breastfeeding who:

- If the Infant BF Description = Excl BF, Prim Excl / No WIC, or Prim Excl Comp and the infant is receiving no food benefits, then the linked breastfeeding woman who receives food issuance is counted as Fully Breastfeeding.
- If the Infant BF Description = Prim Excl Comp and the infant is receiving food benefits, but no formula, then the linked breastfeeding woman who receives food benefits is counted as Fully Breastfeeding.

Women Partially BF with FB – If not Fully Breastfeeding (from above) and received food benefits

Women Partially BF with no FB -If not Fully Breastfeeding (from above) or not Partially Breastfeeding with Food Benefits (from above) and any infant linked to the mother received food benefits.

Note: If there are multiple infants from the same pregnancy, the linked breastfeeding woman is counted related to the highest amount of breastfeeding. Example, if one infant is Excl BF and one infant is Part BF, then the woman's participation is determined by the infant that is Excl BF.

Women Postpartum – this is any participant of the category Non-Breastfeeding who received food benefits during the month.

Infants – Total is aggregation of:

Infants Excl Breastfeeding – this is any participant of the category Infant whose mother is a participant who received food benefits during the month and where the infant's breastfeeding description (interview record) is exclusively breastfed or primarily exclusively breastfed.

Infants Excl Breastfeeding/Comp – this is any participant of the category Infant whose mother is a participant who received food benefits during the month and where the infant's breastfeeding description (interview record) is exclusively breastfeeding/Comp.

Infants Not Excl Breastfeeding – this is any participant of the category Infant who received food benefits during the month and whose breastfeeding description (interview record) is partially breastfed.

Infants Formula Fed – this is any participant of the category Infant who received food benefits during the month and whose breastfeeding description (feeding record) is no longer breastfed or never breastfed.

Children – Total is aggregation of:

Child Non Special - this is any participant of the category Children who received food benefits during the month and whose food package did NOT have the special diet indicator set.

Child Special - this is any participant of the category Children who received food benefits during the month and whose food package did have the special diet indicator set.

Migrants – this is any participant whose last address record indicates that they are a migrant who received food benefits during the month combined with any participant of a category Infant who is exclusively breastfed by a migrant woman (mother).

EnrollmentCount table:

This table will exclude investigation family related data.

At the Clinic level by Priority:

Women – Total is aggregation of:

Women Pregnant = all participants where Participant Category = Pregnant

Women Breastfeeding = all participants where Participant Category = Breastfeeding

Women Not-Breastfeeding = all participants where Participant Category = Not-Breastfeeding

Infants – Total is aggregation of:

Infants Excl BF = all participants with Participant Category = Infant and where BF Description = Exclusively BF or Primarily Exclusive BF

Infants Excl BF/Comp = all participants with Participant Category = Infant and where BF Description = Excl BF/Comp (Exclusively BF/Age-appropriate complementary foods)

Infants BF Not Excl = all participants with Participant Category = Infant and where the BF Description = Partially BF

Infants Formula = all participants with Participant Category = Infant and where the BF Description = No Longer BF or Never BF

Children – Total is aggregation of:

Child Non-Special = all participants with Participant Category = Child and whose food package for the month did NOT have the Special Diet indicator set.

Child Special = all participants with Participant Category = Child and whose food package for the month had the Special Diet indicator set.

Note: A person is considered enrolled if they are active during any day of the month. If a person changed categories, the count will be incremented for the more recent category.

2 Monthly Redemption Food Costs

2.1 Summary

This batch process will calculate the redemption food costs for a previous month that will be used to support the finance (i.e. 798 and caseload management) area.

2.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Past Month
Inputs	Redemption data
Outputs	RedemptionFoodCost
Prerequisites	All clinics have synchronized at least once after completion of the prior month. Redemption reconciliation completed for the prior month
Affect on Other Processes	798 Spreadsheet – System Data 798 Modeling and Actuals – State (Monthly Food Costs) 798 Page 1 – State (Gross Outlays by Issue Month) Caseload – Local Agency (3 and 12 Month Food Cost Averages)

2.3 Processing Logic Details

This batch job should be scheduled monthly to capture the previous month's redemption food costs. A set day of the month should be established by a state so that users of the data know when to expect the data to be available. Allow time for any data correction or delayed processing updates (i.e. bank cycles, disconnected clinics).

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table called ManualJobRun with the needed month. Edit the FirstRunDt column where the Job name is "Monthly Redemption Food Costs".

The first time this process is executed, the respective database columns for the month are created and populated. Each subsequent time this process is executed, the respective database columns for the month are overlaid.

The following categories need calculated based on the redemption dollars during the month (from 1st at midnight until last day of month at midnight). For FI states, this is based on FI redemption. For EBT states, this is based on card transaction redemption.

At the Local Agency level:

- Redemptions from current issue month
- Redemptions from previous issue month
- Redemptions from two previous issue month

The calculation is done by:

In FI States, the calculation is done by

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

Scan the FI table three times. The first scan is to identify FIs that were redeemed in the requested month, and were issued for the requested month or greater. The FIs that were issued for greater than the requested month were actually redeemed early. Although this is supposed to be rejected by both the vendor and the bank, it does happen and needs to be counted. Count this number as Redemptions from current issue month.

Scan the FI table a second time to aggregate the FIs that were redeemed in the requested month and were issued for one month prior to the requested month. Count this number as Redemptions from previous issue month.

Scan the FI table a third and final time to aggregate the FIs that were redeemed in the requested month and were issued for two or more months prior to the requested month. Count this number as Redemptions from two previous issue months.

Re-execution of a previous month will overlay the data.

Remove the date from the table called ManualJobRun where the job name is "Monthly Redemption Food Costs".

In EBT states, the calculation is done by

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

Scan the EBT transaction to identify benefits that were redeemed in the requested month, and were issued for the requested month.

Re-execution of a previous month will overlay the data.

Remove the date from the table called ManualJobRun where the job name is "Monthly Redemption Food Costs".

3 Monthly Formula Rebate Counts

3.1 Summary

This batch process will calculate the formula rebate counts for a previous month that will be used to support the finance (modeling, 798), caseload management (food costs) and manufacturer interaction (invoices and extracts). This snapshot single source of this information will keep these areas in sync.

3.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Past Month
Inputs	Redemption data
Outputs	FormulaRebateCount
Prerequisites	All clinics have synchronized at least once after completion of the prior month. Redemption reconciliation completed for the prior month
Affect on Other Processes	798 Spreadsheet – System Data 798 Modeling and Actuals – State (Rebate Model) 798 Page 1 – State (Rebates Billed by Issue Month) Rebate Invoice – Individual totals of rebatable formulas by Issue Month Caseload – Local Agency (3 and 12 Month Food Cost Averages)

3.3 Processing Logic Details

This batch job should be scheduled monthly to capture the prior month's formula rebate counts. A set day of the month should be established by a state so that users of the data know when to expect the data to be available. Allow time for any data correction or delayed processing updates (i.e. bank cycles, disconnected clinics).

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table with the needed month. The table to be populated is called ManualJobRun. Edit the FirstRunDt column where the Job name is "Monthly Formula Rebate Amount".

In FI States (System.FoodBenefitDeliveryMethod of "FI"), the calculation is done by:

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

Formula rebate rates, items, and effective dates are found in the FI Rebate Rate table. Query this table to identify the list of rebatable formulas.

Create an extract detail record for the selected redemption month (Payment Requested Month) for each rebatable formula from FIs that contain formula only (single food item that is a formula) that were paid (paid amount > zero):

Set Food Instrument Type to be "Formula Only"

Cans Redeemed Quantity calculation:

Full Redemption of Formula only FIs: When the paid amount is greater than the average price of the vendor's peer group, then the number of units issued is the cans redeemed quantity.

Partial Redemption of Formula only FIs: When the paid amount is less than the average price of the vendor's peer group, then the cans redeemed quantity is calculated by:

- Dividing the paid amount by the average price of the vendor's peer group.
- This number is multiplied by the number of units issued.
- This number is rounded using standard mathematics (.5 and above round up).

For example, consider an FI with a printed quantity of 5 cans. The FI redemption is \$13.00 and the average price for the vendor's peer group is \$20.00 (calculated at issuance time by an average price per can of \$4.00). Dividing the paid amount (\$13.00) by the average price of the vendor's peer group (\$20.00) would be 0.65. Multiplying 0.65 by the number of units issued (5) would be 3.25. Rounding 3.25 would be 3. 3 is the number used to compute the rebate.

Only columns are mapped directly. Note: FIs were marked as to whether they came from a Mixed Package or not.

Note: For Reissue to Vendor checks, a rebate count record will be created for the month of the redemption of a Reissue FI to Vendor check. The number of cans of formula redeemed will be determined in the same manner as a normal redemption except that that Paid Amount will be from the reissued FI. It will do this regardless of whether the original FI was rejected or paid previously.

If Mixed FIs (Food.FormulaMixedFIs = "Yes"), create an extract detail record for the selected redemption month (Payment Requested Month) for each rebatable formula from FIs that have formula mixed with other foods (indicator on FI table) that were paid (paid amount > zero) or replaced (replacement check paid amount > zero; use original check formula contents).

Set Food Instrument Type to be "Mixed Formula"

Set Cans Redeemed to Zero

Set Other Food Items Issued to the count of other food items.

If Mixed FIs (Food.FormulaMixedFIs = "Yes"), create an extract total record for each issue month for each rebatable formula found in the "Mixed Package" Food Instrument Types.

Calculate a partial redemption rate based on the same formula found in the "Formula Only" Food Instrument Type FIs (all issue months) that came from Mixed Packages. If no "Formula Only" types found, then set the rate to 100%.

For example, the partial redemption rate for "Formula A" is calculated by dividing the total number of redeemed Formula Only FIs by the total number of Formula Only FIs issued. Number redeemed was calculated above.

Formula A Redemption Rate for 10/2008 would be 91.6666% (22/24).

Issue Month	Issued Cans	Average Price	Amount Paid	Redeemed Cans
10/2008	8	\$2.00	\$15.80	8
10/2008	8	\$2.00	\$12.01	6
10/2008	8	\$2.00	\$15.85	8

Total the Cans Issued per Issue Month.

Calculate Cans Redeemed Quantity by the partial redemption rate * the Cans Issued.

Continuing the example, if the total Formula A cans issued during 10/2008 for FIs that are mixed with other foods was 10, then the Cans Redeemed would be 9 (10 * .916666 with rounding).

Set Record Type to "Total"

Remove the date from the table called ManualJobRun where the job name is "Monthly Rebate Counts".

In EBT states (System.FoodBenefitDeliveryMethod of "EBT"), the calculation is done by

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

Formula rebate rates, items, and effective dates are found in the EBT Rebate Rate table. Query this table to identify the list of rebatable UPCs.

Create an extract detail record for each rebatable formula from the Transaction table that were paid for the selected redemption month.

Remove the date from the table called ManualJobRun where the job name is "Monthly Rebate Counts".

The following is a functional representative of the technical extraction table:

Rebate Count Extract Table	FI State (FI table)	EBT State (Transaction and UPC Redemption tables)
Record Type	"Detail" "Total" – only for Mixed FI	Set to "Detail"
Participant ID	Participant ID	Set to Zeroes (card level transaction; participant is unknown)
Manufacturer ID	Manufacturer ID	Manufacturer ID
Redemption Date	FI Redemption Date	Transaction Redemption Date
Issue Date	FI Issue Date First Use Date	Transaction Redemption Date
Formula Name	Invoice Description (from Rebate table)	UPC Name
UPC Number	Set to blanks	UPC Number
Category Number (Formula)	Category Number (Formula)	Category Number (Formula)
Subcategory Number (Formula)	Subcategory Number (Formula)	Subcategory Number (Formula)
Formula ID	Container ID	UPC Detail Product ID
Food Instrument Number	FI Number	Transaction Number
Food Instrument Type	Either "Formula Only" Or "Mixed Formula"	Always "Formula Only"
Mixed FI	Either "No Mix" Or "Mixed"	Always "No Mix"
Cans Issued	Issued Quantity on FI	Set to Zeroes
Cans Redeemed Quantity	Calculated	Quantity on Transaction
Other Food Items Issued	Calculated (Zero for "Formula Only")	Set to Zeroes
Total Redemption Amount	FI Redemption Amount	Total UPC Redemption Amount
Clinic ID (of Participant)	Clinic ID (of Participant)	Clinic ID (of Participant)
Vendor ID	GUID ID of FI Vendor Number	GUID of Transaction Vendor Number

Comment [ER1]: C1501, still need to add to change log

Note: Clinic ID has the LA ID embedded which is needed for Caseload Management.

Developer Notes

1. For FI States using Mixed FIs:
 - a. For Financial Modeling, 798 and Rebate Invoice, use the Mixed FI total records (ignore Mixed FI detail records)
 - b. For Manufacturer Extract, use the Mixed FI detail records (ignore Mixed FI total records).
 - c. For Caseload Management (LA level), ignore mixed FIs total records

4 Monthly Vendor Prepayments

4.1 Summary

This batch process will calculate the vendor prepayment amounts for a previous month that will be used to support the Page 2 Line 34 of the 798.

4.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Past Month
Inputs	Redemption data
Outputs	VendorPrepayment
Prerequisites	All clinics have connected at least once after completion of the prior month. Redemption reconciliation completed for the prior month
Affect on Other Processes	798 Spreadsheet – System Data 798 Page 2 – State (Prepayment Vendor Collections)

4.3 Processing Logic Details

This batch job should be scheduled monthly to capture the fiscal year to date's vendor prepayment dollars. A set day of the month should be established by a state so that users of the data know when to expect the data to be available. Allow time for any data correction or delayed processing updates (i.e. bank cycles, disconnected clinics).

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table with the needed month. The table to be populated is called ManualJobRun. Edit the FirstRunDt column where the Job name is "Monthly Vendor Prepayments".

The first time this process is executed, the respective database columns for the month are created and populated. Each subsequent time this process is executed, the respective database columns for the month are overlaid.

The total prepayment vendor amount is calculated by adding the following aggregated amounts based on the redemption data from the start of the fiscal year until the last day of the prior month (from October 1st at midnight until last day of prior month at midnight).

For FI redemptions:

1. For any FI that has a Rejected Amount that is greater than the Paid Amount, the difference should be aggregated.
2. For "replacement check" redemption situations, if the Paid Amount of the "replacement check" redemption is less than the Rejected Amount of the "original check" redemption, the difference should be aggregated.

For EBT card transaction redemptions:

1. For redemption transactions where the Paid Amount is less than the Payment Requested (Presented) Amount, the difference should be aggregated.

5 Auditor's File Extract

5.1 Summary

This document specifies the data elements sent to state auditors to support internal auditing requirements. The auditors randomly choose a set number of checks to evaluate. They look to see that the check was used between the First Date to Use (FDTU) and the Last Date to Use (LDTU) and evaluate the variance between the Not To Exceed (NTE) value and the Redemption value.

5.2 Attributes

How Initiated	Scheduled, Batch
Run Frequency	Monthly
Affected Data	None
Staff	State Staff
External Organizations	State Auditors
Period Covered	Previous Month
Inputs	FI data
Outputs	Auditor's File Extract (text file with fixed length fields)
Prerequisites	After bank reconciliation for the prior month VHRA FI Data Normalization (Recent FI records) batch process
Affect on Other Processes	None

5.3 Processing Logic Details

On a monthly basis, the MPSC data system converts the result of a data query into a flat file format for review by state auditors. The name of the output file will be the Audit Extract mm/yyyy.txt where the mm/yyyy is the month the extract represents. This allows the state to accumulate history of the extracts and, if required, be able to provide data for a period longer than just the previous month. The date-stamp is a configurable option and can be turned off. Delivery of the file is done manually using one of the following methods (listed in order of preference):

- 1) FTP
- 2) CD
- 3) Email

Data for this report does not come directly from the OLTP database, but instead, is extracted from the RecentFIs table created by the VHRA FI Data Normalization batch process. The extract only includes details on all FIs that are reported by the bank as having been "Redeemed" during the prior month. The table below specifies the record layout, data elements, and the data system table and column used to generate the Auditor's File Extract.

5.4 Record Layouts

Field Seq.	Field Size	Position	Field Name	Data System Source	Where Collected in the UI
1	8	1-8	Food Instrument Number	RecentFIs.FI_Number (left justified, blank filled)	Clinic Services, Food Instruments, FI History, FI Number column Click on a specific FI number to see the details associated with that FI. Use the resulting details screen for the fields below that begin with "FI Detail window".
2	8	9-16	First Date To Use (FDTU)	RecentFIs.FirstUseDate (MMDDYYYY)	FI Detail window, First Day to Use
3	8	17-24	Last Date To Use (LDTU)	RecentFIs.LastUseDate (MMDDYYYY)	FI Detail window, Last Day to Use
4	9	25-33	Family ID	RecentFIs.FamilyID * (join on Person_ID) (left justified, blank filled)	FI Detail window, Family ID
5	9	34-42	Person ID	RecentFIs.Person_ID (left justified, blank filled)	FI Detail window, Participant ID
6	30	43-72	Participant Last Name	Participant.LastName * (join on Person_ID) (left justified, blank filled)	FI Detail window, Participant Name
7	30	73-102	Participant First Name	Participant.FirstName * (join on Person_ID) (left justified, blank filled)	FI Detail window, Participant Name
8	5	103-107	Not to Exceed Amount	RecentFIs.NotToExceedAmount (right justified, zero filled, implied 2-digit decimal) (ex. \$123.45 = would be reported as 12345)	FI Detail window, Not to Exceed Amount
9	8	108-115	Redemption Date	RecentFIs.RedemptionDate (MMDDYYYY)	FI Detail window, Redemption Date
10	5	116-120	Redemption Amount	RecentFIs.RedemptionAmount (right justified, zero filled, implied 2-digit decimal) (ex. \$123.45 = would be reported as 12345)	FI Detail window, Redemption Amount

Field Seq.	Field Size	Position	Field Name	Data System Source	Where Collected in the UI
11	6	121-126	Reporting Month	RecentFIs.RedemptionDate (MMYYYY) (month this FI was included in reconciliation)	FI Detail window, Redemption Date
12	1	127	Participant Type Code	RecentFIs.ParticipantType (P, B, N, I, or C)	Clinic Services, Family, Type
13	5	129-133	Vendor number	RecentFIs.VendorID (right justified, zero filled, implied dash after first two digits) (ex. 17-24 would be reported as "17024" and 1-123 would be reported as "01123")	FI Detail window, Vendor Information
14	6	134-139	WIC Month	RecentFIs.FirstUseDate (MMYYYY) (month this FI was issued for, ex. An FI with FDTU of 6/13 was issued for June)	FI Detail window, First Day to Use
15	2	140-141	Local Agency	RecentFIs.AgencyID (left justified, blank filled)	From anywhere within the application, with the exception of Scheduler, the header is visible that displays the Local Agency clinic to which this family is associated

6 Formula Rebate Extract

6.1 Summary

This document specifies the data elements sent to manufacturer to support the manufacturer's WIC invoice for formula rebates.

6.2 Attributes

How Initiated	Scheduled, Batch
Run Frequency	Monthly
Affected Data	None
Staff	State Staff
External Organizations	Rebate Manufacturer
Period Covered	Previous Month
Inputs	Formula Rebate Count Extract table, Rebate Rate tables
Outputs	Formula Rebate Extract (text file with fixed length fields)
Prerequisites	The Formula Rebate Count Extract must have executed populating the count extract table.
Affect on Other Processes	None

6.3 Processing Logic Details

This process can create a flat file for the rebate manufacturer containing the redemption details for a selected month. The name of the output file includes the manufacturer name and month the extract represents. Delivery of the file is done manually.

Dates are 'mmdyyy'.

Numbers are zero filled.

Amounts are zero filled with decimal point included (no commas or dollar signs).

6.4 Record Layouts

Field Seq.	Field Size	Position	Field Name	Data Source	Source Data Element
1	12	1-12	Voucher Number	Rebate Count Extract table	Food Instrument Number
2	8	13-20	Issued Date	Rebate Count Extract table	Issue Date

Field Seq.	Field Size	Position	Field Name	Data Source	Source Data Element
3	8	21-28	Redeemed Date	Rebate Count Extract table	Redemption Date
4	8	29-36	Redeemed Amount	Rebate Count Extract table	Total Redemption Amount
5	17	37-53	UPC	Rebate Count Extract table	UPC Number
6	3	54-56	Redeemed Quantity	Rebate Count Extract table	Quantity (For Mixed FI then this will be zeroes)
7	36	57-92	Vendor ID	Rebate Count Extract table	Vendor ID (GUID)
8	11	93-103	Participant ID	Rebate Count Extract table	Participant ID
9	8	104-111	Not to Exceed Amount	Rebate Count Extract table	Not to Exceed Amount
10	30	112-141	Formula Name	Rebate Count Extract table	Formula Name
11	2	142-143	Formula Category Number	Rebate Count Extract table	Category Number (Formula)
12	3	144-146	Formula Subcategory Number	Rebate Count Extract table	Subcategory Number (Formula)
13	6	147-152	Issued Quantity	Rebate Count Extract table	Quantity
14	6	153-158	Other Quantity Issued	Rebate Count Extract table	Other Food Items Issued

7 Monthly Obligation Food Costs

7.1 Summary

This batch process will calculate the obligation food costs based off the previous month's issuance for future months. This will be used to support the finance (i.e. 798) area.

7.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Past Month
Inputs	Benefit Issuance data
Outputs	ObligationFoodCost
Prerequisites	All clinics have synchronized at least once after completion of the prior month.
Affect on Other Processes	798 Spreadsheet – System Data 798 Page 1 – State (Line 1 Adjusted Gross Obligations column)

7.3 Processing Logic Details

This batch job should be scheduled monthly to capture the obligation food costs based off the previous month's issuance for future months. A set day of the month should be established by a state so that users of the data know when to expect the data to be available. Allow time for any data correction or delayed processing updates (i.e. bank cycles, disconnected clinics).

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table with the needed month. The table to be populated is called ManualJobRun. Edit the FirstRunDt column where the Job name is "Monthly Redemption Food Costs".

The first time this process is executed, the respective database columns for the month are created and populated. Each subsequent time this process is executed, the respective database columns for the month are overlaid.

The following categories need calculated based on the redemption dollars during the month (from 1st at midnight until last day of month at midnight). For FI states, this is based on FI redemption. For EBT states, this is based on card transaction redemption.

At the State level:

Obligations for the current month (In October, get the obligations for October)

Obligations for the next month (In October, get the obligations for November)

The calculation is done by:

In FI States, the calculation is done by:

First determine the period for which data is being aggregated. Examine the table ManualJobRun to determine for which month data is to be collected.

Populate the current month issuance amount with the aggregated obligation dollars associated with FIs where the FDTU occurs in the previous month and are not voided or not redeemed before the last day of the previous month. For instance, in October execution, find all the FIs whose FDTU is in September. Eliminate any FIs that have been voided or have a redemption date or rejection date before or equal to the last day of the month (i.e. Sep 30th). For the remaining FIs that have no redemption date or rejection date, pull the FI's obligation value from the Statewide Peer Group's Average Price. This value is stored in a table related to the FI that was created during the Bank Issuance process. For the remaining FIs that have a redemption date or rejection date, pull the FI's obligation value from the Redemption Amount of the FI.

Populate the next month issuance amount with the aggregated obligation dollars associated with FIs where the FDTU occurs in the current month and are not voided or not redeemed before the last day of the previous month. For instance, in October execution, find all the FIs whose FDTU is in October. Eliminate any FIs that have been voided or have a redemption date or rejection date before or equal to the last day of the month (Sep 30th). For the remaining FIs that have no redemption date or rejection date, pull the FI's obligation value from the Statewide Peer Group's Average Price. This value is stored in a table related to the FI that was created during the Bank Issuance process. For the remaining FIs that have a redemption date or rejection date, pull the FI's obligation value from the Redemption Amount of the FI.

Re-execution of a previous month will overlay the data.

Remove the date from the table called ManualJobRun where the job name is "Monthly Obligation Food Costs".

In EBT states, the calculation is not needed because:

- September Line 5. Unliquidated Obligations will not occur because redemption is settled within a few days of the purchase. All September purchases should be cleared by the October execution of the redemption costs batch process.
- The special 1. Adjusted Gross Obligation Percent Calculation is based on unredeemed food benefits that have not been settled. Again, redemption is settled within a few days of the purchase.

8 Monthly 798 Monthly Aggregation

8.1 Summary

This batch process will create a file that will be linked to the 798 spreadsheet. This file will contain all the data that is needed for the 798 spreadsheet's system data columns (shown in green in the 798 DFDD). The file is a fiscal year collection of values from other batch jobs discussed above. In some cases, the values are created by a direct pull of data. In other cases, it is a second level of aggregation (i.e. clinic level to the state level). The file will be a mirror image of the system data tab found in the 798 spreadsheet. This job will manage the contents of the image that is linked into the spreadsheet.

8.2 Attributes

How Initiated	Scheduled or Manual
Run Frequency	Monthly
Affected Data	Overlays affected month data
Staff	State Staff
External Organizations	None
Period Covered	Past Month
Inputs	Aggregation tables from above monthly processes: Participation Counts Redemption Food Costs Formula Rebate Counts Vendor Prepayments Obligation Food Costs Aggregation tables from transactions 798 Income Tracking
Outputs	798 Aggregation File 798Aggregation table
Prerequisites	Should be scheduled after above monthly processes: Participation Counts Redemption Food Costs Formula Rebate Counts Vendor Prepayments Obligation Food Costs
Affect on Other Processes	798 Spreadsheet – System Data

8.3 Processing Logic Details

This batch job should be scheduled monthly to capture the 798 system data for the previous month. A set day of the month should be established by a state so that 798 users know when to expect the data to be available.

Batch jobs are initiated automatically by the SQL scheduler without user intervention. When this job is being run for the prior month, no operator intervention is required. When this job needs to be rerun for a previous month, the operator should manually populate the table with the needed month. The table to be populated is called ManualJobRun. Edit the FirstRunDt column where the Job name is "798 Aggregation".

The first time this process is executed, the respective database columns for the month are created and populated. Each subsequent time this process is executed, the respective database columns for the month are overlaid.

An XML entry will be placed in the file for the following categories' (based on previous month) data.

At the State level:

Women Pregnant – Summed from respective (i.e. previous) month clinic level columns from the aggregation database table created in the Monthly Participant Count batch process.

Women Fully Breastfeeding – Summed from respective (i.e., previous) month clinic level columns from the aggregation database table created in the Monthly Participant Count batch process.

Women Partially Breastfeeding – Summed from respective (i.e., previous) month clinic level Women Partially BF with FB and Women Partially BF with no FB columns from the aggregation database table created in the Monthly Participant Count batch process.

Women Postpartum – Summed from respective (i.e. previous) month clinic level columns from the aggregation database table created in the Monthly Participant Count batch process.

Infants Fully Breastfed – Summed from respective (i.e., previous) month clinic level Infants Excl Breastfeeding and Infants Excl Breastfeeding/Comp columns from the aggregation database table created in the Monthly Participant Count batch process.

Infants Partially Breastfed – Summed from respective (i.e., previous) month clinic level Infants Not Excl Breastfeeding columns from the aggregation database table created in the Monthly Participant Count batch process.

Infants Fully Formula-fed – Summed from respective (i.e., previous) month clinic level Infants Formula Fed columns from the aggregation database table created in the Monthly Participant Count batch process.

Formula Infants – Summed from respective (i.e. previous) month clinic level Infants Not Excl Breastfeeding (Infants Supplemented with Formula) and Infants Formula Fed columns from the aggregation database table created in the Monthly Participant Count batch process.

Children – Summed from respective (i.e. previous) month clinic level Child Non Special and Child Special columns from the aggregation database table created in the Monthly Participant Count batch process.

Migrants – Summed from respective (i.e. previous) month clinic level Migrants columns from the aggregation database table created in the Monthly Participant Count batch process.

Gross Outlays Issue Month – Summed from respective (i.e. previous) month local agency level Redemptions from current issue month columns from the aggregation database table created in the Monthly Redemption Food Costs batch process.

Gross Outlays Previous Month – Summed from respective (i.e. previous) month local agency level Redemptions from previous issue month columns from the aggregation database table created in the Monthly Redemption Food Costs batch process.

Gross Outlays Two Previous Month – Summed from respective (i.e. previous) month local agency level Redemptions from two previous issue month columns from the aggregation database table created in the Monthly Redemption Food Costs batch process.

Formula Rebate Issue Month – For each transaction from the respective (i.e. previous) redemption where the issuance month is the same month, calculate the rebate amount by multiplying the cans times the rebate rate in effect at time of redemption. Sum these transactions' individual rebate amounts. This is based on the aggregation done in Monthly Formula Rebate Counts process (including mixed FII total records).

Formula Rebate Previous Month – For each transaction from the respective (i.e. previous) redemption where the issuance month is the previous month, calculate the rebate amount by multiplying the cans times the rebate rate in effect at time of redemption. Sum these transactions' individual rebate amounts. This is based on the aggregation done in Monthly Formula Rebate Counts process (including mixed FII total records).

Formula Rebate Two Previous Month – For each transaction from the respective (i.e. previous) redemption where the issuance month is the two previous months or older, calculate the rebate amount by multiplying the cans times the rebate rate in effect at time of redemption. Sum these transactions' individual rebate amounts. This is based on the aggregation done in Monthly Formula Rebate Counts process (including mixed FII total records).

Vendor Prepayment Collections – Pulled from respective (i.e. previous) month column from the aggregation database table created in the Monthly Vendor Prepayment batch process.

Obligations Previous Month - Pulled from respective (i.e. previous) month column from the aggregation database table created in the Monthly Obligation Food Costs batch process.

Obligations Two Previous Month - Pulled from respective plus one (i.e. next) month column from the aggregation database table created in the Monthly Obligation Food Costs batch process.

Line 8. Program Income – Based on the transaction date for income tracking transactions of 798 Line value of Line 8. Program Income – Food, sum the amount column.

Line 9. Postpymt Vendor Collections - Based on the received date for vendor collection transactions of 798 Line value of Line 9. Postpymt Vendor Collections – Food, sum the received amount column. Also, based on the date paid for Civil Money Penalties (CMP) transactions of 798 Line value of Line 9. Postpymt Vendor Collections – Food, sum the amount collected column. Add two sums together.

Line 10. Participant Collections - Based on the received date for income tracking transactions of 798 Line value of Line 10. Participant Collections – Food, sum the received amount column.

Line 11. Other Credits - Based on the transaction date for income tracking transactions of 798 Line value of Line 11. Other Credits – Food, sum the amount column.

Line 22. Program Income - – Based on the transaction date for income tracking transactions of 798 Line value of Line 22. Program Income – NSA, sum the amount column.

Line 23. Postpymt Vendor Collections - Based on the received date for vendor collection transactions of 798 Line value of Line 23. Postpymt Vendor Collections – NSA, sum the received amount column. Also, based on the date paid for Civil Money Penalties (CMP) transactions of 798 Line value of Line 23. Postpymt Vendor Collections – NSA, sum the amount collected column. Add two sums together.

Line 24. Participant Collections - Based on the received date for income tracking transactions of 798 Line value of Line 24. Participant Collections – NSA, sum the received amount column.

Line 25. Other Credits - Based on the transaction date for income tracking transactions of 798 Line value of Line 25. Other Credits – NSA, sum the amount column.

Line 29A Base - Based on the transaction date for income tracking transactions of 798 Line value of Line 29A. Base - Food, sum the amount column.

Line 29B Base - Based on the transaction date for income tracking transactions of 798 Line value of Line 29B. Base - NSA, sum the amount column.

Re-execution of a previous month will overlay the data. The fiscal year clearing will not be done on a re-execution.

Remove the date from the table called ManualJobRun where the job name is "798 Aggregation".

Technical Note: At the end of this job, the 798Aggregation table is 'dumped' to the "798 Feed.xls" file. This file is available for importing into the 798 spreadsheet thereby updating the spreadsheet with current data.